

CONTENTS OF VOLUME 35

- Anderson, R. C.** Observations on the life cycles of *Diplotrinaenoides translucidus* Anderson and members of the genus *Diplotrinaena*, 15.
- Taxonomic studies on the genera *Aproctella* Cram, 1931 and *Carinema* Pereira and Vaz, 1933 with a proposal for a new genus *Pseudaproctella* n. gen., 25.
- Backs, R. H.** See Friend, W. G., 535.
- Bandy, P. J., Kitts, W. D., Wood, A. J., and Cowan, I. McT.** The effect of age and the plane of nutrition on the blood chemistry of the Columbian black-tailed deer (*Odocoileus hemionus columbianus*). B. Blood glucose, non-protein nitrogen, total plasma protein, plasma albumin, globulin, and fibrinogen, 283.
- Battle, H. I.** See Hall, J. C., 593; Shaw, B. L., 325.
- Belle, E. A.** Helminth parasites of reptiles, birds, and mammals in Egypt. IV. Four new species of oxyurid parasites from reptiles, 163.
- Berkeley, C.** See Berkeley, E., 573.
- Berkeley, E. and Berkeley, C.** On some pelagic Polychaeta from the northeast Pacific north of latitude 40° N. and east of longitude 175° W., 573.
- Bernard, R.** See Huot, L., 513.
- Bose, R. J.** See Kitts, W. D., 449.
- Cass, L. M.** See Friend, W. G., 535.
- Connell, R. and Corner, A. H.** *Polymorphus paradoxus* sp. nov. (Acanthocephala) parasitizing beavers and muskrats in Alberta, Canada, 525.
- Coppel, H. C. and Smith, B. C.** Studies on dipterous parasites of the spruce budworm, *Choristoneura fumiferana* (Clem.) (Lepidoptera: Tortricidae). V. *Omoloma fumiferanae* (Tot.) (Diptera: Tachinidae), 581.
- Corner, A. H.** See Connell, R., 525.
- Cowan, I. McT.** See Bandy, P. J., 283; Kitts, W. D., 449.
- Dionne, L. A. and Spicer, P. B.** A squash method for somatic chromosomes of aphids, 711.
- Downe, A. E. R.** Precipitin test studies on rate of digestion of blood meals in black flies (Diptera: Simuliidae), 459.
- Dunbar, M. J.** The determinants of production in northern seas: A study of the biology of *Themisto libellula* Mandt., 797.
- Edmunds, G. F., Jr.** *Metretopus borealis* (Eaton) in Canada (Ephemeroptera: Ametropodidae), 161.
- Fairlie, T. W.** See Rothfels, K. H., 221.
- Fallis, A. M. and Wood, D. M.** Biting midges (Diptera: Ceratopogonidae) as intermediate hosts for *Haemoproteus* of ducks, 425.
- Freeman, R. S.** Life cycle and morphology of *Paruterina rauschi* n. sp. and *P. candelabraria* (Goeze, 1782) (Cestoda) from owls, and significance of plerocercoids in the order Cyclophyllidae, 349.
- Friend, W. G., Backs, R. H., and Cass, L. M.** Studies on amino acid requirements of larvae of the onion maggot, *Hylemya antiqua* (Mg.), under aseptic conditions, 535.
- Gibbs, H. C.** Helminth parasites of reptiles, birds, and mammals in Egypt. III. *Cyathospirura seurali* sp. nov. from *Fennecus zerda*, 201.
- The taxonomic status of *Rictularia affinis* Jägerskiöld, 1909, *Rictularia cahirensis* Jägerskiöld, 1909, and *Rictularia splendida* Hall, 1913, 405.
- Greenbank, D. O.** The role of climate and dispersal in the initiation of outbreaks of the spruce budworm in New Brunswick. II. The role of dispersal, 385.
- Hall, J. C. and Battle, H. I.** Respiratory movements and endurance of frogs at low pressures, 593.
- Hanson, H. C., Levine, N. D., and Ivens, V.** Coccidia (Protozoa: Eimeriidae) of North American wild geese and swans, 715.
- Harris, E.** Radiophosphorus metabolism in zooplankton and microorganisms, 769.
- Hart, J. S.** Seasonal changes in CO₂ sensitivity and blood circulation in certain fresh-water fishes, 195.
- See also Irving, L., 497.
- Harvey, G. T.** The occurrence and nature of diapause-free development in the spruce budworm, *Choristoneura fumiferana* (Clem.) (Lepidoptera: Tortricidae), 549.
- Hoar, W. S.** See Irvine, D. G., 691.
- Houston, A. H.** Responses of juvenile chum, pink, and coho salmon to sharp sea-water gradients, 371.
- Huot, L., Bernard, R., and Lemonde, A.** Aspects quantitatifs des besoins en minéraux des larves de *Tribolium confusum* Duval. I. Pourcentage optimum d'un mélange salin, 513.
- Irvine, D. G., Newman, K., and Hoar, W. S.** Effects of dietary phospholipid and cholesterol on the temperature resistance of goldfish, 691.

- Irving, L. and Hart, J. S.** The metabolism and insulation of seals as bare-skinned mammals in cold water, 497.
- Ivens, V.** See Hanson, H. C., 715.
- Khan, M. A.** The effect of dietetic and glycemic factors in the attractiveness of white rats to mosquitoes, 189.
- Sphaerularia bombi* Duf. (Nematoda: Allantonematidae) infesting bumblebees and *Sphaerularia hastata* sp. nov. infesting bark beetles in Canada, 519.
- Sphaerularia unguilacauda* sp. nov. (Nematoda: Allantonematidae) from the Douglas fir beetle, *Dendroctonus pseudotsugae* Hopk., with key to *Sphaerularia* species (emended), 635.
- Kingscote, A. A.** See Wu, L. Y., 207.
- Kitts, W. D.** See Bandy, P. J., 283.
- Kitts, W. D., Bose, R. J., Wood, A. J., and Cowan, I. McT.** Preliminary observations on the digestive enzyme system of the beaver (*Castor canadensis*), 449.
- Laird, M. and Lari, F. A.** The avian blood parasite *Babesia moshkovskii* (Schurenkova, 1938), with a record from *Corvus splendens* Vieillot in Pakistan, 783.
- Lari, F. A.** See Laird, M., 783.
- Lemond, A.** See Huot, L., 513.
- Levine, N. D.** See Hanson, H. C., 715.
- Lubinsky, G.** Studies on the evolution of the Ophryoscolecidae (Ciliata: Oligotricha). I. A new species of *Entodinium* with "caudatum," "loboso-spinosum," and "dubardi" forms, and some evolutionary trends in the genus *Entodinium*, 111.
- Studies on the evolution of the Ophryoscolecidae (Ciliata: Oligotricha). II. On the origin of the higher Ophryoscolecidae, 135.
- Studies on the evolution of the Ophryoscolecidae (Ciliata: Oligotricha). III. Phylogeny of the Ophryoscolecidae based on their comparative morphology, 141.
- Buxtonella sulcata* (Ciliata: Holotricha), a parasite of *Bos indicus* and *Bubalus bubalis* in the Western Punjab, 545.
- Note on the phylogenetic significance of predatory habits in the Ophryoscolecidae (Ciliata: Oligotricha), 579.
- List of helminths from Alberta rodents, 623.
- McCraw, B. M.** Studies on the anatomy of *Lymnaea humilis* Say, 751.
- Mahon, J.** *Ophryocotyle brasiliensis* sp. nov. (Davaineidae) from *Hoploxypterus cayanus* (Lath.), 279.
- Deltokeras synallaxis* sp. nov. (Dilepididae) from *Synallaxis rutilans* Temm., 441.
- Mann, P. M. and Stinson, R. H.** Activity of the short-tailed shrew, 171.
- Mawson, P. M.** Filariid nematodes from Canadian birds, 213.
- Miller, C. A.** A technique for estimating the fecundity of natural populations of the spruce budworm, 1.
- Montreuil, P. L. J. and Ronald, K.** A preliminary note on the nematode parasites of seals in the Gulf of the St. Lawrence, 495.
- Mulvey, R. H.** Taxonomic value of the cone top and the underbridge in the cyst-forming nematodes *Heterodera schachtii*, *H. schachtii* var. *trifolii*, and *H. avenae* (Nematoda: Heteroderidae), 421.
- Myers, B. J.** Nematode parasites of seals in the Eastern Canadian Arctic, 291.
- Ascaroid parasites of harp seals (*Phoca groenlandica* Erleben) from the Magdalen Islands, Quebec, 291.
- Newman, K.** See Irvine, D. G., 691.
- Ogilvie, J. M. G. and Warren, A. A.** The occurrence of trimethylamine oxide in *Fundulus heteroclitus*, 735.
- Pelluet, D.** The effect of low temperature on the ascorbic acid content of the ovotestis of the slug, *Arion subfuscus* (Draparnaud), 609.
- Plummer, P. J. G.** See Sweatman, G. K., 93.
- Rempel, J. G.** The embryology of the black widow spider, *Latrodectus mactans* (Fabr.), 35.
- Riordan, D. F.** Effects of a high temperature on the fertility of *Dahlbominus fuscipennis* (Zett.) (Hymenoptera: Chalcidoidea), 603.
- Robertson, J. G.** Paper chromatography in insect taxonomy, 411.
- Somatic metaphase chromosomes in geographic isolates of the carrot rust fly, *Chamaepsila rosae* (F.) (Diptera: Psilidae), 453.
- Changes in resistance to DDT in *Macrocentrus ancyliivorus* Rohw. (Hymenoptera: Braconidae), 629.
- Ronald, K.** The metazoan parasites of the Heterosomata of the Gulf of St. Lawrence. I. *Echinorhynchus laurentianus* sp. nov. (Acanthocephala: Echinorhynchidae), 437.
- The metazoan parasites of the Heterosomata of the Gulf of St. Lawrence. II. *Entobdella curvunca* sp. nov. (Trematoda: Capsalidae), 747.
- See also Montreuil, P. L. J., 495.
- Rothfels, K. H. and Fairlie, T. W.** The non-random distribution of inversion breaks in the midge *Tendipes decorus*, 221.

- Sanwal, K. C.** The morphology of the nematode *Radopholus gracilis* (de Man, 1880) Hirschmann, 1955, parasitic in roots of wild rice, *Zizania aquatica* L., 75.
Chambersiellidae n. fam. (Nematoda) with emended diagnosis of the genus *Chambersiella* Cobb, 1920, description of *C. bakeri* n. sp., and discussion of taxonomic position, 615.
- Shaw, B. L. and Battle, H. I.** The gross and microscopic anatomy of the digestive tract of the oyster *Crassostrea virginica* (Gmelin), 325.
- Smith, B. C.** See Coppel, H. C., 581.
- Spicer, P. B.** See Dionne, L. A., 711.
- Squires, H. J.** Decapod crustacea of the *Calanus* Expeditions in Ungava Bay, 1947 to 1950. *Calanus* Series No. 11, 463.
- Stinson, R. H.** See Mann, P. M., 171.
- Strachan, A. A.** Eye worms of the family Thelaziidae from Brazilian birds, 179.
- Sweatman, G. K.** Life history, non-specificity, and revision of the genus *Chorioptes*, a parasitic mite of herbivores, 641.
- Sweatman, G. K. and Plummer, P. J. G.** The biology and pathology of the tapeworm *Taenia hydatigena* in domestic and wild hosts, 93.
- Virkki, N.** Structure of the testis follicle in relation to evolution in the Scarabaeidae (Coleoptera), 265.
- Warren, A. A.** See Ogilvie, J. M. G., 735.
- Wellington, W. G.** Individual differences as a factor in population dynamics: The development of a problem, 293.
- Wood, A. J.** See Bandy, P. J., 283; Kitts, W. D., 449.
- Wood, D. M.** See Fallis, A. M., 425.
- Wu, L. Y. and Kingscote, A. A.** Studies on *Trichinella spiralis*. II. Times of final molt, spermatzoa formation, ovulation, and insemination, 207.

CORRECTIONS

Volume 34, page 590. In line 13, "A cirrus was not seen in 17 of 26 flukes examined." should read "A cirrus was seen in 17 of 26 flukes examined."

Volume 35, pages 75-92. In Figs. 1 and 2 the oesophageal gland lobe should overlap the intestine ventrally and the caudal alae in Fig. 2 should point towards the bottom of the page. The error has been caused by the wrong juxtaposition of three components of the original drawing, which, being too large to be drawn in one field, had to be constructed in several small components. In Fig. 8 there should be only four incisures as described in the text.